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NETWORK SERVICES
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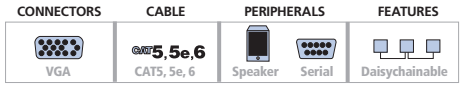
HD View Series

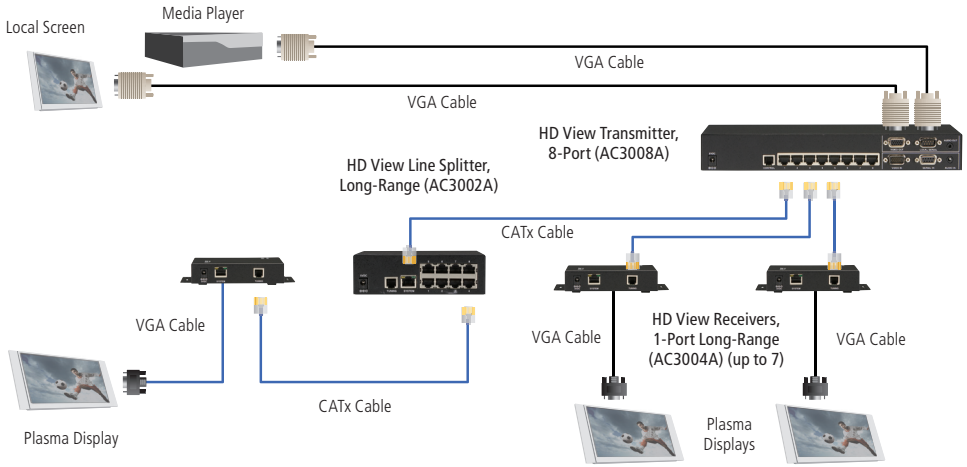
Get sizzling digital signage with this Hi-Def video and stereo broadcasting system.

FEATURES

- Perfect for signs, bulletins, and training aids.
- Plug-and-play system for easy installation and setup.
- Support high-definition video resolutions of 1080p (1920 x 1440 at 60 Hz) and high-quality stereo audio.
- Modular system enables you to reduce unnecessary hardware.
- Variable, VESA-standard mounting options for discreet installation.
- Transmitters (AC3000A, AC3008A, AC3016A) link to a local screen and a media player, and have 1, 8, or 16 ports for communicating with the remote receivers.
- Receivers (AC3003A–AC3005A)connect to remote plasma or LCD screens at the display location.
- The AC3005A enables you to broadcast to two adjacent screens via a single receiver while controlling each separately.
- Line Splitters (AC3001A–AC3002A) support high-definition video resolutions of 1080p (1920 x 1440 at 60 Hz) and high-quality stereo audio.
- Add a splitter to your system to reach up to 256 displays.
- AC3006A is a handy, two-button tuning unit for the HD View system.
- HD View HDMI units (AC3010A-T, AC3010A-R, and AC3011A) provide a simple, affordable way to extend HD digital AV content to remote screens.
- HD View HDMI extends HDMI signals up to 230 feet (70 m) over ordinary CATx cable.
- HDMI models support high-quality HD video, including 1080p/60-Hz resolutions at up to 131.2 feet (40 m).

Deliver rich multimedia content from a player to near or distant screens with perfect image and sound quality.





OVERVIEW

Looking for a truly modular system to deliver high-definition video and stereo audio to plasma/LCD screens and speakers? You've found it with the HD View, a multimedia transmission system designed with high-end presentations in mind.

The system operates over CAT5, CAT5e, CAT6, or proposed CAT7 cable, and supports distances up to 1000 feet (304.8 m). The system has support for Display Data Channel (DDC), which provides optimal player-to-screen configurations, and out-of-band management, which frees the network for video transfer.

Full RS-232 communication enables you to control the system effectively, and a simple set of commands enables you to turn single or multiple screens on and off, preserving your screens and maximizing the life of your system.

The complete system.

A complete HD View distribution and control system consists of three main components: Transmitters (1-Port, 8-Port, or 16-Port), Receivers (Standard, Long, and Dual), and Line Splitters (Standard and Long). Add Video Tuners, which have three buttons that enable you to scroll left, scroll right, or select accept. Use CATx cable to interconnect the units.

Control up to 128 remote monitors over CAT5, CAT5e, or CAT6 cable. Or add video splitters to your system to reach up to 256 displays. For a simple application (for example, a retail store system), you can connect the main retail store's HDV/stereo audio player to multiple LCD screens at chain stores. In this case, you need one transmitter and enough line splitters and receivers to support up to 2, 16, or 32 screens.

HD View Transmitters (AC3000A, AC3008A, and AC3016A) provide a range of up to 1000 feet (304.8 m) and work with CAT5, CAT5e, CAT6, or proposed CAT7 cable!

HD View Receivers (AC3003A–AC3005A) deliver rich multimedia content from a player to distant screens with perfect image and sound quality.

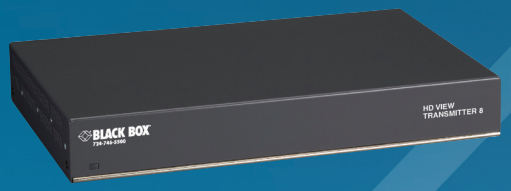
Choose a standard or long-range splitter (AC3001A–AC3002A) for high-definition video and stereo content. Deliver rich multimedia content from a player to distant screens with perfect image and sound quality.

Use the handheld tuning unit (AC3006A) to fine-tune rich multimeia content broadcast from a player to distant screens. It connects to the receiver for manual tuning, and provides screen tuning at any distance. An RJ-11 to RJ-11 cable is included.

HD View HDMI

HD View HDMI units (AC3010A–AC3011A) provide a simple, affordable way to extend HD digital AV content to a remote screen.

These versatile, cost-effective, and easy-to-use units enable you to place a HDTV screen far from a video/audio source. They extend HDMI signals up to 230 feet (70 m) over ordinary CAT5 or higher cable and support high-quality HD video, including 1080p/60-Hz resolutions at up to 131.2 feet (40 m).



AC3008A: front view

AC3008A: back view

AC3003A: front and back view

The HD View HDMI is a high-performance, point-to-point HDMI distribution system for digital audio and high-definition video content at 1080p/60 Hz resolutions. It "narrowcasts" from a digital signage player or PC to a remote plasma or LCD screen in real time with no any degradation of video or sound quality.

CATx copper technology

The HD View HDMI uses CAT5, CAT5e, CAT6, or CAT7 cable technology to maintain an HD digital signal from transmitter to receiver. This technology is much more cost effective, easier to install, and distributes content much farther than HDMI cables.

Transfers DDC signals, too

The HD View HDMI supports DDC signaling for optimum monitor-video source communications. Unlike other HDMI products that require two cables for HDMI video/audio and DDC transfers, the HD View HDMI uses the same CATx cable to transfer video and DDC configuration data (via emulation or a preset table)—simplifying installation further.

You need a second CATx cable connecting the DDC ports of the transmitter (AC3010A-T) and receiver (AC3010A-R) only when you want to read DDC data directly from the screen and if you also want to exchange HDCP and CEC information.

Ideal for a wide range of applications

A versatile system that supports virtually all types of media players, the HD View HDMI is designed for everything from small domestic installations to large commercial applications.

Use it for home applications, retail, transportation hubs, leisure facilities, government and educational facilities, corporate environments, and more. The HD View HDMI is cost-effective, easy to operate, and ideal for all HD digital signage applications.

Also transmits DVI video

You can use the HD View HDMI extender to connect players and screens with HDMI or DVI ports. For DVI video, you simply need to use a standard HDMI to DVI cable or adapter. HDMI players can be connected to DVI screens and vice versa. (In DVI extensions, the system transfers video only.)

NOTE: Transmission distance and performance depend on the cables and the resolution of your graphics card.

Use multiple units to cascade as many as eight remote HDTV screens in a distributed HDMI video/audio application.

HD View HDMI Repeater (AC3011A) works with the transmitter that's included in the HD View HDMI (AC3010A) extender system.

You can use up to eight repeaters to extend the system's distance up to 640 feet (195 m). They provide digital sound, so it's perfect for applications requiring excellent audio quality. Out-of-band system frees the system network from heavy image transfer. Display Data Channel (DDC) support via emulation gives you optimal player-screen configuration for a better visual experience. The compact units fit conveniently behind a screen. Installation is plug-and-play.

AC3004A: front view

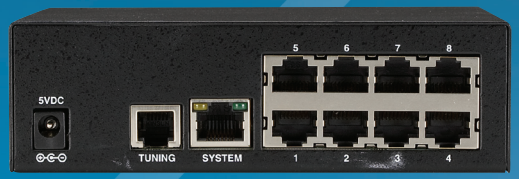
AC3004A: back view

AC3002A: top: front view; bottom: back view

TECH SPECS

Audio — AC3000A–AC3006A, AC3008A, AC3016A: Stereo; AC3010A-T, AC3010A-R, and AC3011A: HDMI formats
DDC — Complies with VESA DDC 2 specifications
Distance (Maximum) — AC3000A, AC3008A, AC3016A, AC3003A, AC3005A, AC3001A: 360 ft. (110 m);
AC3004A, AC3002A: 1000 ft. (300 m);
AC3010A-T, AC3010A-R, AC3011A: Cascade/Daisychain: Cascade up to 8 repeaters at 640 feet (195 m)
CAT5 Cable Length (Maximum): 192 ft. (60 m)
Horizontal/Vertical Sync Polarity — Positive/negative
Input DDC Signal — AC3010A-T, AC3010A-R, AC3011A: 5-volt P-P
Input/Output Video Signals — AC3000A–AC3005A: Analog signal red, green, blue; 0/7v, p-p 75-ohm;
AC3010A-T, AC3010A-R, AC3011A: Input: 1.2-volt P-P
Resolution — AC3000A–AC3006A, AC3008A: Up to 1080p HDTV or 1920 x 1440 @ 60 Hz;
AC3010A-T, AC3010A-R, AC3011A: HDTV 1080p, 1920 x 1080 @ 60 Hz (16:09) HD
RS-232 Connection — Full serial RXD, TXD, DTR, DSR, RTS, CTS
Serial Baud Rate — Up to 57,600 bps
Skew Compensation — Up to 63 nsec
Sync — TTL compatible
System Cable — CATx (5/5e/6/7) UTP/FTP 2 x 4 x 24 AWG solid wire cable
Video Amplifier Bandwidth — AC3010A-T, AC3010A-R, AC3011A: 165 MHz
User Controls — AC3006A: (3) buttons: (1) Scroll-left, (1) Scroll-right, (1) Accept
Connectors — AC3000A, AC3008A, AC3016A: VGA in: (1) HD15 M;
VGA local: (1) HD15 F;
Stereo/audio in/out: (2) 3.5-mm jacks;
Serial in: DB9 F;
Serial local: (1) DB9 M;
System Out: AC3000A: (1) RJ-45;
AC3008A: (8) RJ-45,
AC3016A: (16) RJ-45;
Control: (1) RJ-11;
AC3003A–AC3005A: System in: (1) RJ-45,
Screen: HD15 F,
Audio out: (3) 3.5-mm connectors (L, R, Accept),
Serial out: (1) DB9 male,
Tuning potentiometer: (1) RJ-11;
AC3001A–AC3002A: System in: (1) RJ-45,
System out: (1) RJ-45,
Control: (1) RJ-11;
AC3006A: (1) RJ-11;
AC3010A-T, AC3010A-R, AC3011A: Transmitter: System in: (1) HDMI;
System out: (2) RJ-45 for video and DDC;
Receiver: System in: (2) RJ-45 for video and DDC;
Screen: (1) HDMI;
Repeater: System in: (2) RJ-45 for video and DDC;
System out: (1) RJ-45 for video;
Screen: (1) HDMI
Indicators — AC3000A, AC3008A, AC3016A: (1) Power LED;
AC3003A–AC3004A: (1) 3-function (power, unit connected, bidirectional) RJ-45 System Port LED;
AC3010A-T: (1) LED (on RJ-45 connector);
AC3010A-R: (1) LED (on RJ-45 connector);
AC3011A: (2) LEDs (on RJ-45 connector);
AC3005A: Power LED green (on RJ-45);
AC3001A–AC3002A: (1) 2-function (power, unit connected) System Port LED;
AC3006A: None
Temperature Tolerance — Operating: +41 to +104° F (+5 to +40° C);
Storage: -40 to +158° F (-40 to 70° C)
Power — AC3000A, AC3008A, AC3016A, AC3001A–AC3002A: 5-VDC, 2-A external adapter;
AC3003A–AC3005A, AC3011A: 5-VDC, 1-A external adapter;
AC3006A: Powered from the receiver;
AC3010A-T, AC3010A-R: Input: 100–240 VAC;
Output: 5 VDC, 1 A
Size — AC3000A: 1.75"H x 6"W x 5.5"D (4.3 x 15.2 x 14 cm);
AC3008A, AC3016A: 1.6"H x 11.5"W x 6.1"D (4.2 x 29.3 x 15.4 cm);
AC3003A–AC3005A: 1"H x 5.8"W x 5.7"D (2.6 x 14.7 x 14.5 cm;
AC3001A–AC3002A: 1.6"H x 6.1"W x 5.4"D (4.2 x 15.4 x 13.8 cm);
AC3006A: 1.1"H x 3.7"W x 2.4"D (2.8 x 9.4 x 6.2 cm);
AC3010A-T: 3.3"H x x 2.7"W x 1"D (8.2 x 6.8 x 2.5 cm);
AC3010A-R: 2.7"H x 1.9"W x 1"D (6.8 x 4.7 x 2.5 cm);
AC3011A: 4.1"H x 2.9"W x 1"D (10.4 x 7.4 x 2.6 cm)

AC3006A



AC3002A

AC3010A-T, AC3010A-R: front view

AC3010A-T, AC3010A-R: back view

What's included

AC3000A, AC3008A, AC3016A:
- Transmitter
- VGA cable
- Stereo audio cable
- Serial cable
- RS-232 to RJ-11 control cable
- 5-VDC, 2.5-A desktop power supply
- (2) brackets

AC3003A–AC3005A:
- Receiver
- 5-VDC, 2.5-A desktop power supply
- Bracket
- Addendum for video tuning

AC3001A–AC3002A:
- Line Splitter
- 5-VDC, 2.5-A desktop power supply
- Addendum for video tuning

AC3006A:
- Video Tuning Unit
- RJ-11 to RJ-11 cable
- Addendum for video tuning

AC3010A:
- Transmitter (AC3010A-T)
- Receiver (AC3010A-R)
- (2) power supplies
- (2) power cables
- Quick Install Guide

AC3011A:
- Repeater
- 5-VDC, 1-A power supply
- Power cable
- Quick Install Guide

Item	Code
HD View Series	
Transmitters	
1-Port	**AC3000A**
8-Port	**AC3008A**
16-Port	**AC3016A**
Receivers	
Standard	**AC3003A**
Long-Range	**AC3004A**
2-Port Daisychainable	**AC3005A**
Line Splitters	
Standard	**AC3001A**
Long-Range	**AC3002A**
Video Tuner	**AC3006A**
HD View HDMI	
Transmitter	**AC3010A-T**
Receiver	**AC3010A-R**
Repeater	**AC3011A**
You might also need to order CATx cable…	
CAT5 Unshielded 100-MHz Solid Bulk Cable (UTP), 24 AWG, 4-Pair, 1000-ft. (304.8-m), Spool	**EYN842A-1000**
GigaBase® 350 CAT5e, 350-MHz Solid Bulk Cable (UTP), 4-Pair, PVC, Pull Box, 1000-ft. (304.8-m)	**EYN851A-PB-1000**
GigaTrue® 550 CAT6, 550-MHz Solid Bulk Cable (UTP), 4-Pair, PVC, Pull Box, 1000-ft. (304.8-m)	**EYN870A-PB-1000**

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.